



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

647.1306
Job Sheet 176553



Part No: 647.1306

Job Qty: 1 ea

Part Name: EC145 Cable Cutter System Fixed Provisions U Channel Compatible



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/25/18

Job Tracking No:

Created By: Linda Lacelle

Due Date: 5/1/18

Type: SOLD

Description:

Note: DWG REV D IPP REV:A NEW ISSUE 13.07.16 JLM VERIFIED BY:DD IPP REV:C 14.05.05 AS PER DWG
REV C1 DD VERF:JLM IPP REV:D 14.07.31 AS PER ECN C2 DD VERF:JLM

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	1 Ea	5/1/18	5/1/18	0.00	0.00	Start Up Stores/Pkg-2	28	MAY 01 2018
110	Packaging	1 pcs	5/1/18	5/1/18	0.00	0.00	Packaging1-1	10	MAY 01 2018
120	QC	1 pcs	5/1/18	5/1/18	0.00	0.00	QC4	10	Smb
125	DC	1 pcs	5/1/18	5/1/18	0.00	0.00	DC		
130	Packaging	1 pcs	5/1/18	5/1/18	0.00	0.00	Packaging3-1	DAS 21	Smb
140	QC21-FG	1 Ea	5/1/18	5/1/18	0.00	0.00	QC21	9-89	MAY 01 2018

Part Op 125 - Photocopy bluefile & type labels per PPP 647.1306

Descriptions: 130 - Identify and pack for shipping as per PPP 647.1306 Location: _____ EXPIRY DATE OF: RTV Loctite 598:
_____ MAGNOBOND 6398 PART 1: _____ MAGNOBOND 6398 PART 2: _____ SEALANT
PR-1425: ***INDICATE ON BOX EXPIRY DATE OF RTV, MAGNOBOND PART1, MAGNOBOND
PART2 AND SEALANT PR-1425 ***
140 - *** Enter exp. date in lot maintenance for RTV loctite 598, MAGNOBOND PART1, MAGNOBOND PART2 AND
SEALANT PR-1425***



Container No: S067301



Part: 647.1306

Job No: 176553

Serial No/Batch: S067301

Revision:

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 05/01/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td style="border: none;"></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
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Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																		
Description Work Order Deviation				Disposition				Completed By																	
								Lead hand / Supervisor Approval Verification																	
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Root Cause		FAULT CATEGORY																							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			OTHER : ☐																	

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
600.0990	Magnabond 6398 Part A Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5044548
600.0991	Magnabond 6398 Part B Size 112 ml	1 Ea (1 ea)	90-Start up Operation	5044549
600.1012	Sealant PR1425B2 (#654 sem)	1 pcs (1 ea)	90-Start up Operation	5052028
601.2045	RTV (LOCTITE 598)	1 Ea (1 ea)	90-Start up Operation	5049005
601.3004	26S8-11 Camloc Stud	2 pcs (2 ea)	90-Start up Operation	5016905
601.3005	2600-L-W Camloc Retainer	2 Ea (2 ea)	90-Start up Operation	5158642
601.3006	Camloc Receptacle - 26R 16-1	2 pcs (2 ea)	90-Start up Operation	5022852
601.3011	P-Seal	3 ft (3 ea)	90-Start up Operation	5006166
647.1602	Doubler Assembly	1 Ea (1 ea)	90-Start up Operation	FM130388-21
647.1810	Nose Door Doubler	1 Ea (1 ea)	90-Start up Operation	FM130388-22
647.1811	Spacer	2 Ea (2 ea)	90-Start up Operation	FM130388-23
647.1812	Shim	13 Ea (13 ea)	90-Start up Operation	FM130388-14
647.1813	Angle	2 Ea (2 ea)	90-Start up Operation	FM130388-25
647.1814	Gusset LH	1 Ea (1 ea)	90-Start up Operation	FM130388-26
647.1815	Gusset RH	1 Ea (1 ea)	90-Start up Operation	FM130388-26
647.1816	Support LH	1 Ea (1 ea)	90-Start up Operation	FM130388-26
647.1817	Support RH	1 Ea (1 ea)	90-Start up Operation	FM130388-26
647.1818	Nose Door Spacer	1 Ea (1 ea)	90-Start up Operation	FM130388-17
647.1910	Clip	4 Ea (4 ea)	90-Start up Operation	FM130388-28
647.1911	Bracket RH	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.1912	Bracket LH	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.1913	Tee	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.1914	Bracket	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.1915	Support Angle	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.2112	Upper U Channel	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.2201	Cross Assembly	1 Ea (1 ea)	90-Start up Operation	FM130388-28
647.2510	Sleeve	4 Ea (4 ea)	90-Start up Operation	FM130388-28
647.2511	Nut	4 Ea (4 ea)	90-Start up Operation	FM130388-28
647.3201	Grounding Cable Assembly	1 Ea (1 ea)	90-Start up Operation	FM130388-28
AN3-4A	Bolt	2 Ea (2 ea)	90-Start up Operation	FM130388-28
AN4CH6A	Bolt	1 Ea (1 ea)	90-Start up Operation	FM130388-28
CCR264SS-3-03	Cherry Rivet	12 Ea (12 ea)	90-Start up Operation	FM130388-28
CCR264SS3-04	Rivet	12 Ea (12 ea)	90-Start up Operation	FM130388-28
CCR274SS-3-03	Rivet	4 Ea (4 ea)	90-Start up Operation	FM130388-28
CR3212-4-3	Cherry Rivet	22 Ea (22 ea)	90-Start up Operation	FM130388-28
CR3213-4-2	Cherry Rivet	2 Ea (2 ea)	90-Start up Operation	FM130388-28
CR3213-4-4	Rivet, Cherry	4 Ea (4 ea)	90-Start up Operation	FM130388-28
CR3213-4-5	Rivet	8 Ea (8 ea)	90-Start up Operation	FM130388-28
CR3213-4-6	Rivet	11 Ea (11 ea)	90-Start up Operation	FM130388-28
CR3213-4-7	Rivet	16 Ea (16 ea)	90-Start up Operation	FM130388-28
CR3213-4-8	Rivet	12 Ea (12 ea)	90-Start up Operation	FM130388-28
CR3213-6-6	Rivet (601.2995)	8 Ea (8 ea)	90-Start up Operation	FM130388-28
MS21042-08	Use MS21042L08	1 Ea (1 ea)	90-Start up Operation	FM130388-28
MS21042-3	Nut use MS21042L3	27 Ea (27 ea)	90-Start up Operation	FM130388-28
MS21047-3	Nut Plate	12 Ea (12 ea)	90-Start up Operation	FM130388-28
MS21266-2N	Grommet	1.1000 Ea (1.1 ea)	90-Start up Operation	FM130388-28
MS24694-C52	Screw	10 Ea (10 ea)	90-Start up Operation	FM130388-28
MS27039-08-07	Screw	1 Ea (1 ea)	90-Start up Operation	FM130388-28
MS27039-1-07	Screw	3 Ea (3 ea)	90-Start up Operation	FM130388-28
MS27039-1-10	Screw	6 Ea (6 ea)	90-Start up Operation	FM130388-28
MS27039-1-15	Screw	4 Ea (4 ea)	90-Start up Operation	FM130388-28
MS27039-1-17	Screw (601.1954)	2 Ea (2 ea)	90-Start up Operation	FM130388-28
MS27039-1-20	Screw	4 Ea (4 ea)	90-Start up Operation	FM130388-28
MS27039C1-06	Screw (601.2459)	18 Ea (18 ea)	90-Start up Operation	FM130388-28
NAS1149F0332P	Washer	62 Ea (62 ea)	90-Start up Operation	FM130388-28
NAS1149FN832P	Washer	2 Ea (2 ea)	90-Start up Operation	FM130388-28
NAS1834C3-300	Insert	2 Ea (2 ea)	90-Start up Operation	FM130388-28

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
90-Start up Operation	600.0990	1	15	0
	600.0991	1	14	0
	600.1012	1	17	0
	601.2045	1	28	0
	601.3004	2	10	0
	601.3005	2	12	0
	601.3006	2	0	0
	601.3011	3	32	0
	647.1602	1	9	0
	647.1810	1	9	0
	647.1811	2	24	0
	647.1812	13	144	0
	647.1813	2	40	0
	647.1814	1	60	0
	647.1815	1	24	0
	647.1816	1	18	0
	647.1817	1	17	0
	647.1818	1	19	0
	647.1910	4	43	0
	647.1911	1	8	0
	647.1912	1	7	0
	647.1913	1	7	0
	647.1914	1	1	0
	647.1915	1	16	0
	647.2112	1	2	0
	647.2201	1	10	0
	647.2510	4	68	0
	647.2511	4	36	0
	647.3201	1	6	0
	AN3-4A	2	429	0
	AN4CH6A	1	25	0
	CCR264SS-3-03	12	136	0
	CCR264SS3-04	12	174	0
	CCR274SS-3-03	4	41	0
	CR3212-4-3	22	197	0
	CR3213-4-2	2	189	0
	CR3213-4-4	4	585	0
	CR3213-4-5	8	172	0
	CR3213-4-6	11	260	0
	CR3213-4-7	16	200	0
	CR3213-4-8	12	44	0
	CR3213-6-6	8	263	0
	MS21042-08	1	0	0
	MS21042-3	27	218	0
	MS21047-3	12	292	0
	MS21266-2N	1	22	0
	MS24694-C52	10	61	0
	MS27039-08-07	1	264	0
	MS27039-1-07	3	93	0
	MS27039-1-10	6	223	0
	MS27039-1-15	4	384	0
	MS27039-1-17	2	82	0
	MS27039-1-20	4	53	0
	MS27039C1-06	18	119	0
	NAS1149F0332P	62	1,856	0
	NAS1149FN832P	2	2,451	0
	NAS1834C3-300	2	150	0

Part Specifications

Specifications could not be found.

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
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Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

Container View (Active) - Master Unit Containers

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
002819	S065414	26R16-1	Camloc Receptacle	s022852	ST579	2
002819	S065413	26S8-11	Camloc Stud	s016905	ST579	2
002819	S044948	600.0990	Magnabond 6398 Part A Size 112 ml		LG050	1
002819	S044949	600.0991	Magnabond 6398 Part B Size 112 ml		LG050	1
002819	S065420	600.1012	Sealant PR1425B2 (#654 sem)	s056028	CCK017	1
002819	S065419	601.2045	RTV (LOCTITE 598)	s019005	CCK095	1
002819	S065407	601.3005	2600-L-W Camloc Retainer	f158642	CCK097	2
002819	S006167	601.3011	P-Seal	S006166	CCK099	0.1
002819	S065398	647.1602	Doubler Assembly	fm130388-21	CCK107	1
002819	S065397	647.1810	Nose Door Doubler	fm130388-22	CCK108	1
002819	S065396	647.1811	Spacer	fm130388-23	CCK108	2
002819	S065395	647.1812	Shim	fm130388-14	CCK107	13
002819	F92556	647.1813	Angle		CCK108	2
002819	S065394	647.1814	Gusset LH	fm130388-25	CCK108	1
002819	S065393	647.1815	Gusset RH	fm130388-26	CCK108	1
002819	F92551	647.1816	Support LH		CCK092	1
002819	S065392	647.1817	Support RH	f125082-4	CCK092	1
002819	S065391	647.1818	Nose Door Spacer	fm130388-17	CCK110	1
002819	S065390	647.1910	Clip	f125082-8	CCK110	4
002819	S065385	647.1911	Bracket RH	s006175	CCK110	1
002819	S065384	647.1912	Bracket LH	f92228	CCK110	1
002819	S065383	647.1913	Tee	f92229	CCK093	1
002819	F161382	647.1914	Bracket		CCK110	1
002819	S065382	647.1915	Support Angle	f114127	CCK093	1
002819	S065381	647.2112	Upper U Channel	f149970	CCK006	1
002819	S065380	647.2201	Cross Assembly	f94797	CCK079	1
002819	FM130388-28	647.2510	Sleeve		CCK111	4
002819	F159807	647.2511	Nut		CCK111	1
002819	S065379	647.2511	Nut	s030171	CCK111	3
002819	S065378	647.3201	Grounding Cable Assembly	s022877	CCK111	1
002819	S065377	AN3-4A	Bolt	s019388	ST350	2
002819	S065376	AN4CH6A	Bolt	f123525	ST345	1
002819	S065375	CCR264SS-3-03	Cherry Rivet	s019420	ST321	12
002819	S065374	CCR264SS3-04	Rivet	s019377	ST321	12
002819	S065373	CCR274SS-3-03	Rivet	f123785-0	ST321	4
002819	S065372	CR3212-4-3	Cherry Rivet	s053949	ST320	22
002819	S065370	CR3213-4-04	Rivet	s000673	ST319	4
002819	S065369	CR3213-4-05	Rivet	s019315	ST319	8
002819	S065371	CR3213-4-2	Cherry Rivet	s019424	ST320	2
002819	S065368	CR3213-4-6	Rivet	s019369	ST319	11
002819	S065367	CR3213-4-7	Rivet	f123785	ST320	16
002819	S065366	CR3213-4-8	Rivet	fm136983-5	ST320	12
002819	S065365	CR3213-6-6	Rivet (601.2995)	f123785-45	ST320	8
002819	S065363	MS21042-3	Nut use MS21042L3	s027548	ST304	27
002819	S065364	MS21042L08	Nut	s044234	ST303	1
002819	S065362	MS21047-3	Nut Plate	s020620	ST301	12
002819	S065361	MS21266-2N	Grommet	f123900	ST294	1.1
002819	S065360	MS27039-08-07	Screw	s044221	ST278	1
002819	S065359	MS27039-1-07	Screw	s040536	ST281	3

Master Unit No	Container No	Part No	Part Name	From Container	Current Location	Quantity
002819	S065358	MS27039-1-10	Screw	s005145	ST280	6
002819	S065357	MS27039-1-15	Screw	s003923	ST280	4
002819	S065356	MS27039-1-17	Screw (601.1954)	fm127831-4	ST280	2
002819	S065355	MS27039-1-20	Screw	s000680	ST280	4
002819	S065354	MS27039C1-06	Screw (601.2459)	f123525-30	ST277	18
002819	S065353	NAS1149F0332P	Washer	s057525	ST262	62
002819	S065352	NAS1149FN832P	Washer	s020604	ST263	2
002819	S065351	NAS1834C3-300	Insert	fm124826	ST549	2

Note: Ad hoc query view of Part.dbo.Container where Container.Active = 1.

MS24694 CS2 x10 5067269

Plex 4/26/18 8:10 AM dart.quirion.sonia

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NOTES: UNLESS OTHERWISE SPECIFIED

1 AFTER INSTALLATION, APPLY F/N 73 A/R TO FILL GAPS AND FILLET EDGES

2. APPLY F/N 74 TO FAYING SURFACES

3 AT CUSTOMERS OPTION, INSTALL F/N 77 BY MATCH DRILLING ONTO F/N 1

4 INSTALL FOR 647.1301, 647.1302.

5 INSTALL FOR 647.1304, 647.1305.

6 APPLICABLE WHEN EUROCOPTER P/N 145-250014.11 IS INSTALLED WITH EUROCOPTER CABLE CUTTER FIXED PROVISIONS.

7 APPLICABLE WHEN REPLACING EUROCOPTER P/N 145-250074.11

8 INSTALL WITH:
647.1304
647.1305
647.1307
647.1308

REFERENCE ONLY

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
REV.	LAST PRODUCTION REVISION- PRO		N/C
A	INCORPORATED ECH 02043, 03020, 03048	08/05/09	P. BRAYO
B	INCORPORATED ECH 03019	01/25/11	P. BRAYO
C	INCORPORATED ECH 04069	07/20/13	P. BRAYO
D	INCORPORATED ECH'S 04085, 04091 & 04076	08/13/13	P. BRAYO
E	INCORPORATED ECH 05050	04/17/15	P. BRAYO
		03/03/16	P. BRAYO

1		1	1		1	1		1	14	647.1817	SUPPORT, RH		
1		1	1		1	1		1	13	647.1912	BRACKET, LH		
1		1	1		1	1		1	12	647.1911	BRACKET, RH		
	8	8		8	8		8	8	11	647.0112	STRUT BRACKET		
							1	1	10	647.2110	LOWER RAIL		
								1	9	647.2111	UPPER RAIL		
	1	1		1	1		1	1	8	647.1610	WIPER DEFLECTOR, FWD		
	1	1		1	1		1	1	7	647.1601	WIPER DEFLECTOR ASSY, AFT		
							2	2	6	647.1701	SKID DEFLECTOR ASSY		
1		1	1		1	1		1	5	647.3201	GROUNDING CABLE ASSY		
1		1	1		1	1		1	4	647.2201	CROSS ASSY		
1		1	1		1	1		1	3	647.1602	DOUBLER ASSY		
	1	1		1	1		1	1	2	647.1402	CUTTER ASSY (LOWER)		
							1	1	1	647.1401	CUTTER ASSY (UPPER)		
X										647.1309	ECT145 T2 FIXED PROVISIONS KIT		
	X									647.1308	ECT145 T2 REMOVABLE PROVISIONS KIT		
		X								647.1307	ECT145T2 CABLE CUTTERS KIT		
			X							647.1306	FIXED PROVISIONS KIT U CHANNEL		
				X						647.1305	REMOVABLE PROVISIONS KIT U CHANNEL		
					X					647.1304	ECT145 CABLE CUTTERS KIT U CHANNEL COMPATIBLE		
						X				647.1303	FIXED PROVISIONS KIT		
							X			647.1302	REMOVABLE PROVISIONS KIT		
								X		647.1301	ECT145 CABLE CUTTERS KIT		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

QTY	ORIGINAL DATE (MO/DA/YR) 07/04/09	PARTS LIST DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760) 724-5300 APICAL INDUSTRIES, INC. c/o DART AEROSPACE ECT145 CABLE CUTTERS KIT SITE CAGE CODE 07A26 DWG NO 647.1300 SCALE NONE SHEET 1 OF 10
NEXT ASSY (S)	DRAWN BY: C. BARKER P. BRAYO DRAWING APPROVAL: 08/05/09 CONTRACT NO.	
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.001 ANGLES ±.5°	

REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	4	4		4	4		4	4	51	601.3209	LOCKNUT	MS21042L4	
1	4	5	1	4	5	1	8	9	50	601.2973	LOCKNUT	MS21042-08	
27	19	46	27	19	46	27	18	45	49	601.2943	LOCKNUT	MS21042-3	
	3	3		3	3		3	3	48	601.2375	WASHER		
2	8	10	2	8	10	2	16	18	47	601.2764	WASHER	NAS1149FN832P	
62	42	104	62	42	104	62	40	102	46	601.1607	WASHER	NAS1149F0332P	
1		1	1		1	1		1	45	601.2525	SCREW	MS27039-0807	
4		4	4		4	4		4	44	601.1952	SCREW	MS27039-1-20	
							4	4	43	601.3010	SCREW	MS27039-0810	
	4	4		4	4		4	4	42	601.2988	SCREW	MS27039-0813	
6		6	6		6	6		6	41	601.1365	SCREW	MS27039-1-10	
3		3	3		3	3		3	40	601.2198	SCREW	MS27039-1-07	
	3	3		3	3		3	3	39	601.2999	SCREW		
18		18	18		18	18		18	38	601.2459	SCREW	MS27039C1-06	
	4	4		4	4		4	4	37	601.1622	SCREW	MS27039-1-14	
10		10	10		10	10		10	36	601.2051	SCREW	MS24694C52	
2		2	2		2	2		2	35	601.2823	BOLT	AN3-4A	
1		1	1		1	1		1	34	601.1324	BOLT	AN4CH6A	
	2	2		2	2		2	2	33	601.1874	BOLT	AN3C10A	
	12	12		12	12		16	16	32	601.2826	BOLT	AN3-11A	
	8	8		8	8		8	8	31	601.2638	WASHER	NAS1149F0432P	
	4	4		4	4		4	4	30	601.3002	BOLT	NAS6604-66	
2		2	2		2	2		2	29	647.1811	SPACER		
4		4	4		4	4		4	28	647.2511	NUT		
4		4	4		4	4		4	27	647.2510	SLEEVE		
13		13	13		13	13		13	26	647.1812	SHIM		
4		4	4		4	4		4	25	647.1910	CLIP		
1		1	1		1	1		1	24	647.1810	NOSE DOOR DOUBLER		
1		1	1		1	1		1	23	647.1818	NOSE DOOR SPACER		
2		2	2		2	2		2	22	647.1813	ANGLE		
1		1	1		1	1		1	21	647.1913	TEE		
1		1	1		1	1		1	20	647.1814	GUSSET, LH		
1		1	1		1	1		1	19	647.1815	GUSSET, RH		
1		1	1		1	1		1	18	647.1915	SUPPORT ANGLE		
	2	2		2	2		2	2	17	647.2011	LOWER STRUT		
1		1	1		1	1		1	16	647.1914	BRACKET		
1		1	1		1	1		1	15	647.1816	SUPPORT, LH		
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table(Restructured)

ORIGINAL DATE 07/06/07	 DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300		
DRAWN BY P. ROSARIO			
CHECKED BY D. BAKER			
APPROVAL P. BRAVO 08/08/07			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1 PLACE DECIMALS ±.03 2 PLACE DECIMALS ±.010 ANGLES ± .2°			
SHEET B	CAGE CODE 07M26	DWG. NO. 647.1300	REV. E
SCALE NONE		SHEET 2 OF 10	

REFERENCE ONLY

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE IS PROHIBITED.

	2	2							89	647.1703	T2 SKID DEFLECTOR ASSY		
	8	8							88	601.3812	LOCK TAB	LN9023A8-1.4544.9	
				2	2				87	647.1702	SKID DEFLECTOR ASSY	△	
	1	1		1	1				86	647.2113	LOWER RAIL (U CHANNEL KIT)		
				8	8				85	601.3655	WASHER	LN9025-0820K	
	8	8		8	8				84	601.3654	SCREW	LN9037-08018	
1	1	1		1	1				83	647.2112	UPPER U CHANNEL		
	8	8		8	8				82	601.3653	WASHER	93475A270	
	4	4		4	4				81	601.3652	LOCKNUT	93625A300	
	4	4		4	4				80	601.3651	SCREW	91292A080	
	1	1		1	1				79	647.1403	CUTTER ASSY (UPPER U CHANNEL)		
	5	5		5	5				78	601.3650	BOLT	AN3-15A	
REF	REF	REF	REF	REF	REF	REF	REF	REF	77	647.5701	GPS MOUNT KIT	△	
2		2	2		2	2		2	76	601.1954	SCREW	MS27039-1-17	
	2	2		2	2		2	2	75	647.2010	UPPER STRUT		
1	1	1	1	1	1	1	1	1	74	601.2045	RIV	LOCTITE 598	
1	1	1	1	1	1	1	1	1	73	600.1012	SEALANT	PR-1425 CLASS B	
1	1	1	1	1	1	1	1	1	72	600.0991	MAGNOBOND 6398 PART B		
1	1	1	1	1	1	1	1	1	71	600.0990	MAGNOBOND 6398 PART A		
4		4	4		4	4		4	70	601.3012	SCREW	MS27039-1-15	
2		2	2		2	2		2	69	601.3004	CAMLOC STUD		
2		2	2		2	2		2	68	601.3005	CAMLOC RETAINER		
2		2	2		2	2		2	67	601.3006	CAMLOC RECEPTACLE		
3 FT.		3 FT.	3 FT.		3 FT.	3 FT.		3 FT.	66	601.3011	P-SEAL		
1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	1.1 FT.		1.1 FT.	65	601.3007	GROMMET	MS21266-2N	
2		2	2		2	2		2	64	601.3008	INSERT	NAS1834C3-300	
12		12	12		12	12		12	63	601.2364	RIVET	CR3213-4-8	
16		16	16		16	16		16	62	601.2468	RIVET	CR3213-4-7	
11		11	11		11	11		11	61	601.2991	RIVET	CR3213-4-6	
2		2	2		2	2		2	60	601.1039	RIVET	CR3213-4-2	
8		8	8		8	8		8	59	601.1183	RIVET	CR3213-4-5	
22		22	22		22	22		22	58	601.0790	RIVET	CR3213-4-3	
8		8	8		8	8		8	57	601.2995	RIVET	CR3213-6-6	
4		4	4		4	4		4	56	601.1915	RIVET	CR3213-4-4	
12		12	12		12	12		12	55	601.2207	NUTPLATE RIVET	CCR264SS-3-03	
4		4	4		4	4		4	54	601.1983	NUTPLATE RIVET	CCR274SS-3-03	
12		12	12		12	12		12	53	601.2980	NUTPLATE RIVET	CCR264SS-3-04	
12		12	12		12	12		12	52	600.0795	NUTPLATE	MS21047-3	
.1309	.1308	.1307	.1306	.1305	.1304	.1303	.1302	.1301	FIND #	PART #	DESCRIPTION	MATL	SPEC.

BOM Table (Restructured)

ORIGINAL DATE: 07/20/00
 DRAWN BY: B. ROSANO
 CHECKED BY: D. BARKER
 DRAWING APPROVAL: P. BRADY
 CONTRACT NO:

UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN INCHES
 TOLERANCES ARE:
 3 PLACE DECIMALS ±.010
 ANGLES ±.3°

		3030 ENTERPRISE CT., SUITE A	
		VISTA, CA 92081 (760) 724-5300	
AFICAL INDUSTRIES, INC. (DART AEROSPACE)		EC145 CABLE CUTTERS KIT	
SIZE: 8	CAGE CODE: 07M426	DWG. NO.: 647.1300	REV. E
SCALE: NONE		SHEET 3 OF 10	